Communication-Electronics Maintenance School

The day you stop learning
is the day you start dying.

Communication-Electronics Maintenance School

Deputy Director – Capt Mudd

Tactical Data Systems Training Officer – CWO3 McAlexander

Radar Maintenance Training Officer – CWO2 Woodward

Aviation Control Systems Maintenance Officer – CWO2 Wiegmann

Tactical Data Systems Training Section

Alpha Company, MCCES

TDSTS Mission

To train entry and career level Marines to meet the established requirements for Communication-Electronics maintenance and Systems Administration for primary MOS’s 5974, 5962, 5979, 5963, 5939 and 5937.

Personnel Strength

Permanent Personnel

Perm Pers Rated - 34 On Hand - 27

Civilian Rated - 2 On Hand - 2

Student Personnel

Total On Rolls - 66

Bubble Period - None

On deck during bubble - N/A

5974 Tactical Data Systems Administrator/Technician Course

- Programmed Annual Input (FY 04) : 12
- Instructors: 4
- Course Length: 94 Training Days
- Class Capacity: 6 Maximum
- Class Frequency: 2 per Annum
- Last CCRB: August 2003
- POI Status: Submitted to TCOM 10 June 03

5962 Tactical Data Systems Equipment Repair Course

- Programmed Annual Input (FY 04) : 46
- Instructors: 6
- Course Length: 88 Training Days
- Class Capacity: 12 Maximum
- Class Frequency: 4 per Annum
- Last CCRB: August 2003
- POI Approved: July 2002

5979 Tactical Air Operations Module Technician Course

- Programmed Annual Input (FY 04) : 7
- Instructors: 4
- Course Length: 100 Training Days
- Class Capacity: 6 Maximum
- Class Frequency: 2 per Annum
- Last CCRB: August 2003
- POI Status: Approved 25 July 2003

5963 Tactical Air Operations Repair Course

- Programmed Annual Input (FY 04) : 24
- Instructors: 4
- Course Length: 61 Training Days
- Class Capacity: 9 Maximum
- Class Frequency: 3 per Annum
- Last CCRB: August 2003
- POI Approved: July 2002

5939 Aviation Radio Technician Course

- Programmed Annual Input (FY 04) : 13
- Instructors: 2
- Course Length: 97 Training Days
- Class Capacity: 8 Maximum
- Class Frequency: 3 per Annum
- Last CCRB: August 2003
- POI Status: Submitted to TCOM 12 Jun 03

5937 Aviation Radio Repair Course

- Programmed Annual Input (FY 04) : 48
- Instructors: 5
- Course Length: 83 Training Days
- Class Capacity: 10 Maximum
- Class Frequency: 6 per Annum
- Last CCRB: August 2003
- POI Approved: October 2002

5912 Tactical Defense Alert Radar (MOS Designator, follow-on Avenger training at Redstone Arsenal)

- Programmed Annual Input (FY 04) : 24
- Instructors: 1
- Course Length: 8 Training Days
- Class Capacity: 5 Maximum
- Class Frequency: 6 per Annum
- Last CCRB: New
- POI Status: Submitted to TCOM 17 April 03

Projects/Issues

- Harris HF radio Lab
- Implementation of CDLS training
- Upgrade of UNIX/Networking Classroom

Please save questions for the end.

RADAR Maintenance Training Section

RADAR Maintenance Training Section

- OIC – CWO2 Woodward
- NCOIC - GySgt Mielish

AIMS

- Currently have 15 AN/UPX-37 Digital Interrogators
  - 12 located in AIMSMC
  - 3 located in the Radar's
  - 3 - Spares (Pending Delivery in Sept 03)
    - 2 reserved for the Radar
    - 1 Geographical Spare

AIMS

- ARDRRC 2003-020 (8 Active Duty and 4 Reserve Marines) have received the entire AN/UPX-37 course. They graduated 17 July 2003.
  - 3 will go to MCC G60
  - 3 will go to MCC K18
  - 1 will go to MCC G15
  - 3 will go to MCC 145
  - 1 will go to MCC 1L3
  - 1 will go to MCC 142

AIMS

- ARDRRC 2003-030 (8 Active Duty and 1 Reserve Marines) have received the entire AN/UPX-37 course. They will graduate the ARDRRC 22 Oct 2003.

- Future MCC unknown at this time

AIMSMC Course Outline

- Annex RF.05 = Intro to IFF (13 Hours)
  - Includes Terminology
  - Mode purpose, and spacing

- Annex RF.06 = AN/UPX-37 (31 Hours)
  -TMDE (AN/UPM-155)
  - Menu Navigation
  - Theory of Operation
  - Repair/Replace Faulty Module
  - Configuration (Memory Storage, Combined Mode, and Settings for each Radar)
  - Performance Exam

AIMS

- Estimated 7 Training days
- Estimated 44 hours
- 3 Written Exams
- 1 Performance Exam

ARDRRC

- Currently have 2 AN/TPS-63B
  - Co-located at Bldg 1839
  - R&E exchange:
    - A16 rcvd, in operation
    - A2 returned for repair

ARDRRC

- ARDRRC 2003-020 (8 Active Duty and 4 Reserve Marines) received the new AN/TPS-63B repair course. They graduated 17 July 2003.
  - 3 will go to MCC G60
  - 3 will go to MCC K18
  - 1 will go to MCC G15
  - 3 will go to MCC 145
  - 1 will go to MCC 1L3
  - 1 will go to MCC 142

ARDRRC

- ARDRRC 2003-030 (8 Active Duty and 1 Reserve Marine) received the new AN/TPS-63B repair course. They will graduate 22 Oct 2003.

- Currently awaiting orders for future MCC

ARDRRC

- AN/TPS-63B
  - 63 Training Days
  - 424 Hours
  - 4 Written Exams
  - 4 Practical Exams

ARDRRC

- AN/TPS-59(V-3)
  - 32 Training Days
  - 231 Hours
  - 2 Written Exams
  - 2 Practical Exams

ARDRTC

- Currently have 1 AN/TPS-59 (V-3)
  - 1 located in Bldg 1956 and Radome
  - 1 Mock-up Antenna for Embarkation Training

ARDRTC

- ARDRTC 2003-010 7 Active Duty Marines will have received the AN/TPS-59 (V3) course. They will graduate 17 Dec 2003.

- Future MCC unknown at this time

ARDRTC Course Outline

- Annex RE.06 = Course Intro (68 Hours)
  - Includes Theory of Operations
  - Operating Procedures
  - System Maintenance
  - MACS Structure
  - Site Selection

- Annex RE.07 = Antenna Characteristics (89 Hours)
  - Array Control Unit
  - Antenna Alignments
  - Set 15

ARDRTC

- 52 Training days
- 363 hours
- 4 Written Exams
- 4 Performance Exam

Please save questions for the end.

Communication-Electronics Maintenance School

MCCES

- New Commanding Officer
  - Col Thompson

06/28 Center of Excellence

- 06/28 grappling with
  - Acquisition cycle acceleration
  - Impact to training
  - MOJT management
  - Training continuum

TechNet

- Initially funded by C4 WG
- No T/O support
- No O&M support
- Sawtooth training cycle
- Out of hide resources
- 06/28 COE may move it to MCCES HQ

LRU/SRU

- ITSs reference LRU/SRU, but do not define
- Attempted to define in POI:
  - Local/Line/Lowest Repairable Unit
  - Shop/Secondary/Site Repairable Unit
  - Site Lowest Repairable Unit – Covered all odds
- Most ULSSs do not define LRU/SRU
- Schoolhouse should not define what to train
- Request all future ULSSs define LRU/SRU, as those terms relate to that particular item

5900 Training Continuum

- 5900 WC
- Entry level
- NCO progression (BMADS NCO??)
- SNCO progression
- Master Sergeant progression
- Investigating use of Distance Education
- Again, at 5900 WC

5900 Migration

- 5900s may move to Air Schools (C Co).
- Makes sense due to 06/28 COE.
- Shared assets
- Consolidate POCs for support community
- Consolidate future MILCON (Ops & Maint)
- Better facilitate cross training
- Don’t have to spend 75% time outside 5900 issues
- Intangibles

SAT Process

- Domains of Learning
- Levels of Learning
- Levels of Testing
- Hard Copy Testing

Distance Education

- Powerful medium
- Push vice Pull training
- Not a silver bullet
- Just as much resources, if not more, IF DONE RIGHT
- Cannot replace entry level training
- Hands on can be done, but requires significant unit interaction and integrity

Civilian Personnel Plan

- Current civilian employment
  - Because that's the way its always been
  - Unbalanced distribution
  - T/O does not justify CDD
- Philosophical approach
  - Course Specialist
  - Training Specialist
  - Training Administrator

QUESTIONS?